

Building a Resilient Building Ecosystem: Modular, Supply Chains, Standards & Policy Frameworks

**NIMOVA
REINFORCED PLASTIC MODULAR
FORMWORK SOLUTION**

NIMOVA Intersales (Malaysia) Sdn. Bhd.



VIDEO File :

NIMOVA M4 Formwork System

The M4 Formwork is divided into formwork, scaffolding and reinforcement system. The formwork is only connected by a lock pin and is fully compatible with normal scaffold system.

3/Patent right of invention 25/Patent right of utility model 10/Patent right of design



Standardization of Products and Tools

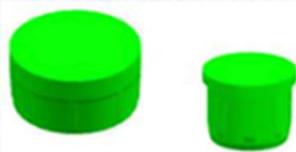
NIMOVA Formwork Size Specification

Flat Formwork	Name	168	710	84	83	82	81	41	42	43	
	(Color)	white/black	white/black	white	white	white	white	white	white	white	
	Size(CM)	200*50	100*70	100*25	100*20	100*15	100*18	25*18	25*15	25*20	
	Name	44	L1	31	32	33	22	21			
	(Color)	white	white	white	white	white	white	white			
Inner Corner	Size(CM)	25*25	50*7*1	20*18	20*15	20*20	15*15	15*18			
	Name	N1	N2	N3	N4	NN	N9	NL			
	(Color)	green	green	green	green	green	green	white			
Outer Corner	Size(CM)	18*20+18*5	15*20+15*5	20*20+20*5	25*20+25*5	20*20+20*5*2	50*20+50*5	50*10+50*15			
	Name	W2	W3	W9							
	(Color)	green	green	green							
Accessories	Size(CM)	15*7	20*7	50*7							
	Name	A1 Plug	A2 Plug	Lock pin	C1 Long Lock Pin	Dowel	Transfer Block				
	(Color)	green	green	red	red	red	brown				
	Size(CM)	/	/	/	/	/	/				



Major Formwork Components

NIMOVA : Products



Plug



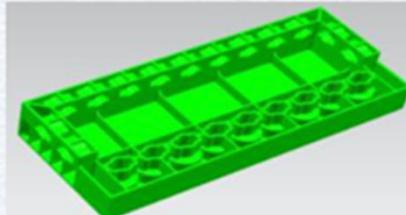
Transfer block



Lock pin



Flat formwork

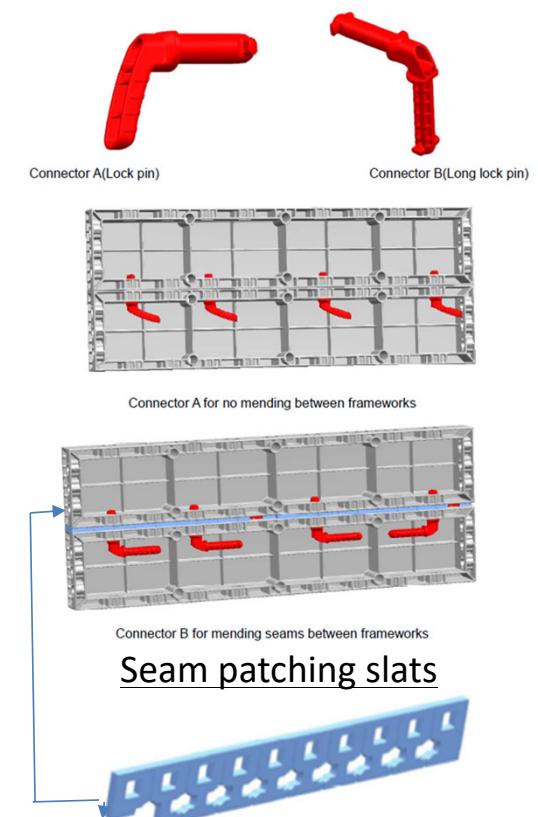
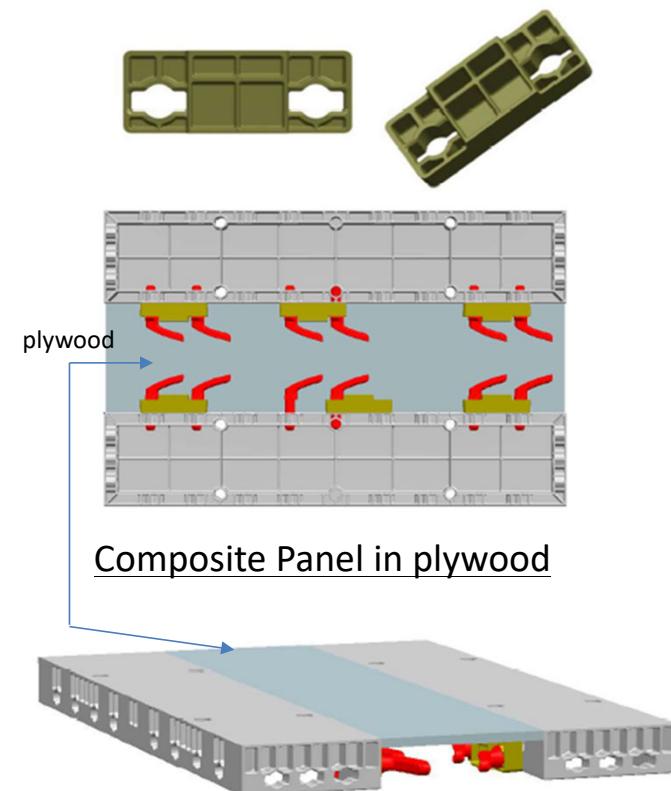
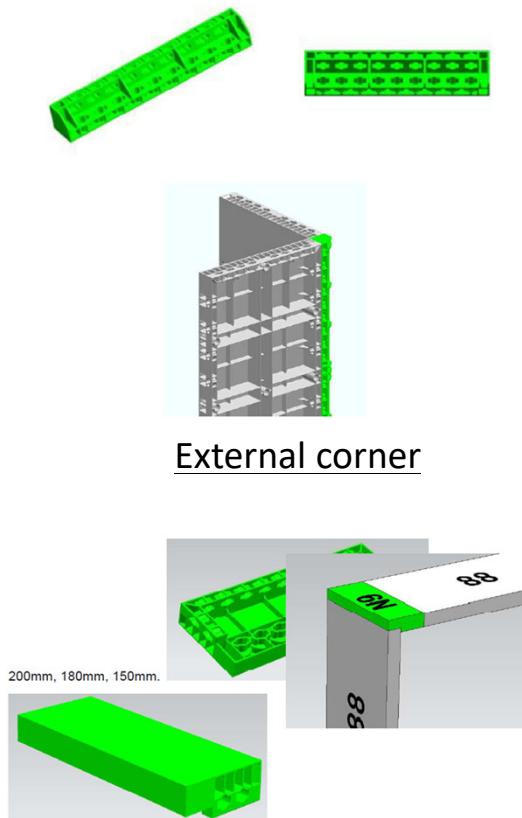


Inner corner formwork



Outer corner formwork

NIMOVA COMPONENTS ARRANGEMENT



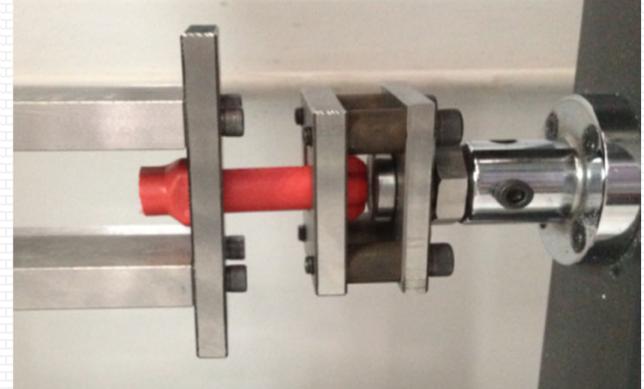
Excellent Quality, Excellent Performance



VS



	Strength	Impact	Working	Fire	Stretch
	Stiffness	resistance	temperature °C	prevention	MPa
NIMOVA	Flexural modulus				
	7000MPa	20KJ/ m ²	-20-150	B1/B2	85
	Bending strength				
Plastic	120MPa				
	Formwork				
Others	Flexural modulus				
	2000MPa	8KJ/m ²	-20-60	B1	43
	Bending strength				
Plastic	30MPa				
	Formwork				



NIMOVA M4 Formwork has been tested and verified by
China's National Building Decoration Materials Testing Center;
KingFa National Technology Centre, and Guangzhou Quality Inspection Department;
To ensure all technical indicators meet the construction requirements.

**High strength, impact resistance, waterproof, acid and alkali resistance,
accurate dimensions, quick to learn and use!**

Comprehensive Comparison

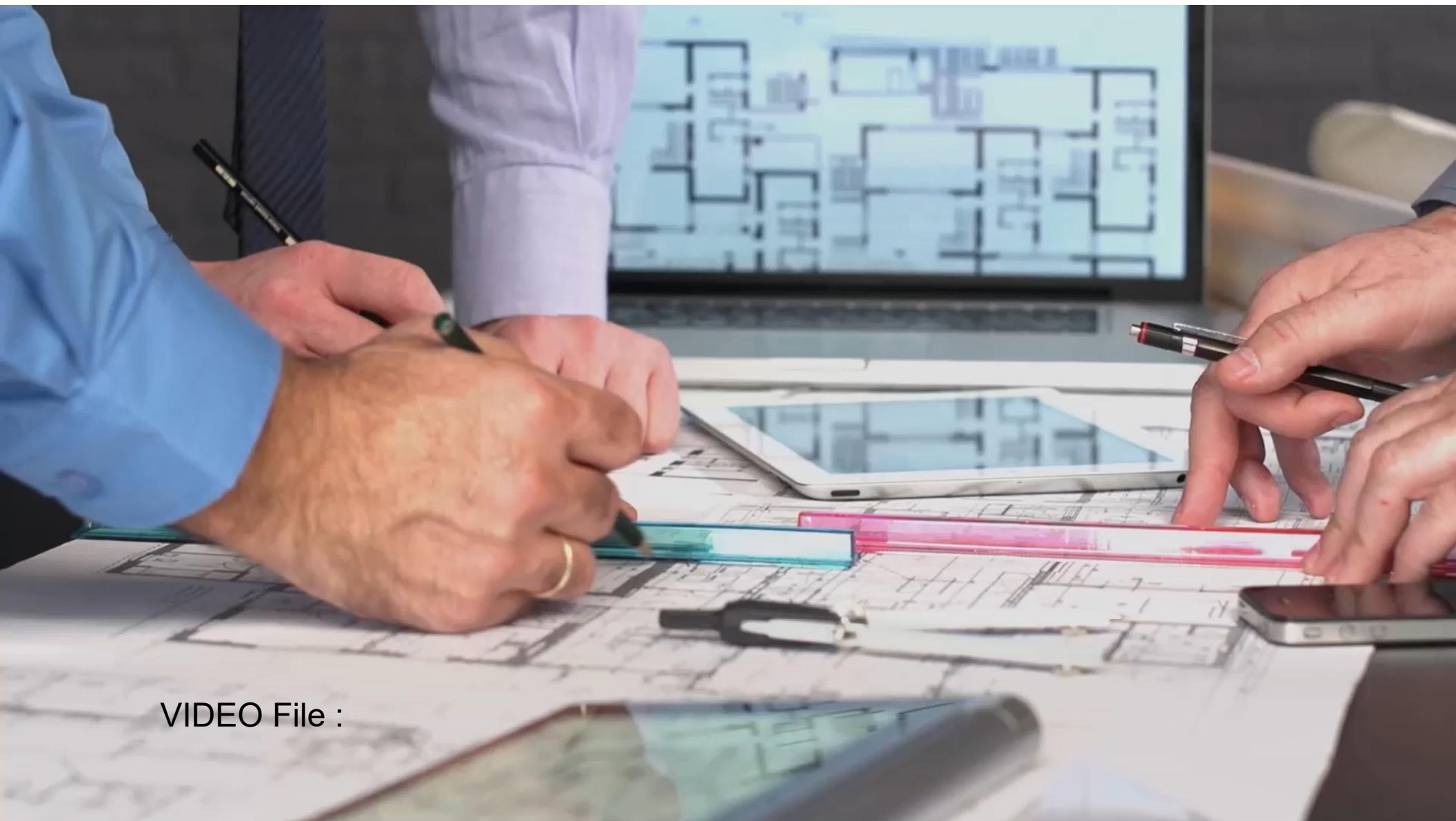
Programme	NIMOVA Formwork	Aluminum Template
Template Thickness (mm)	70	65
Weight (kg/m ²)	15~18	25~35
Quick Repair	Yes	no
Flexibility	higher	lower
Structure Coverage	better	worse
Maintenance Fee	lower	higher
Warehousing Requirements	lower	higher

Conclusion: NIMOVA Formwork would be the most cost-effective product of all time.

Create Production Line in Construction Site



NIMOVA M4 Formwork System Case Show



VIDEO File :

Construction Site Tidiness and Safety



Only 13.5kg/m² in weight

当心高温
Warning high temperature

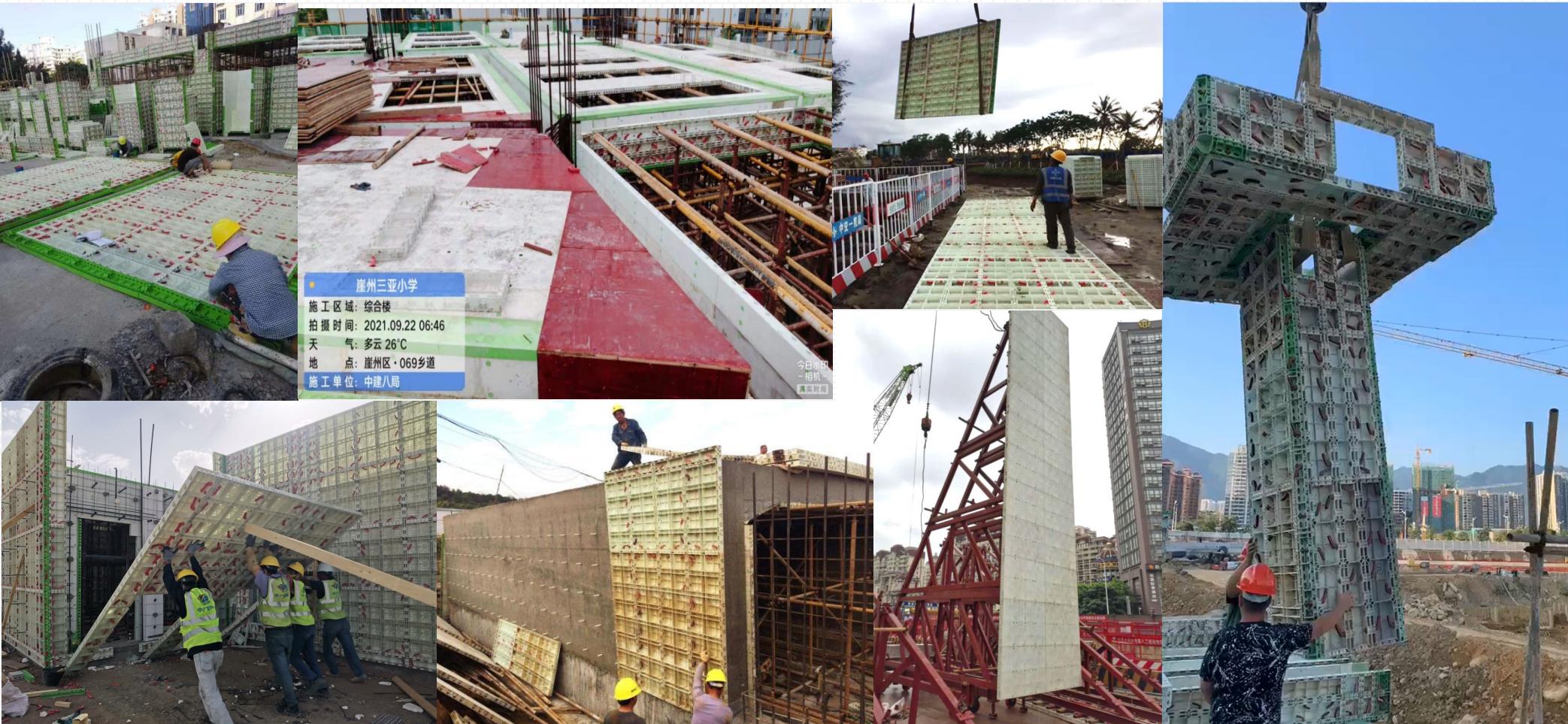


Non-reactive to cement –
Smooth finishing

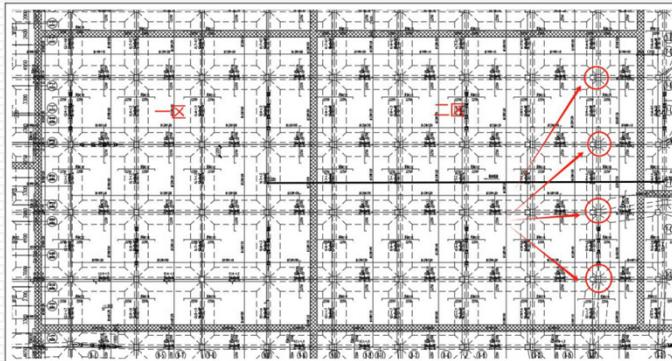
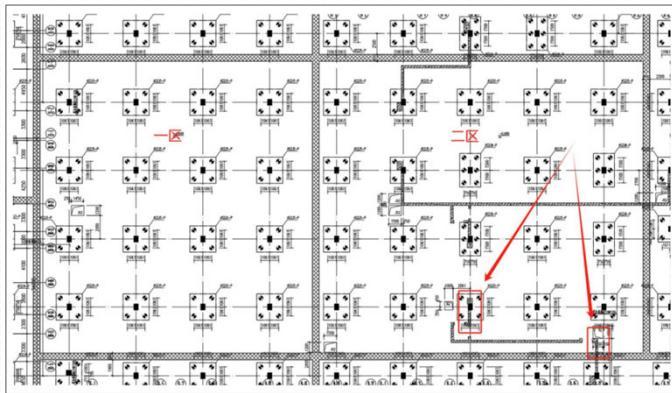
No Mould-Releasing Agent Needed



Pre-assemblable and Lift Installation Possible



Versatile - Seamlessly Works with Others System



PERI

DUO
Lightweight universal formwork for walls, slabs, columns and foundations

Product Brochure – Issue 02/2020



Eco-Friendly

	Formwork circulation	Reshape and repair	Re-used in other projects	Energy consumption on Manufacturing (Per Sq. M.)	Recycle Cost
Plywood Formwork	3 times - column / beam 6 -8 times - wall / slab	NO (construction waste)	NO	< 10kw	Not in Common for Recycle Process
aluminium Formwork	Unlimited use in one project based on work cycle	Can do (back at factory)	Only 30% - 50%	550kw	YES High energy cost
Steel Formwork	Unlimited use in one project based on work cycle	Can do (back at factory)	NO	30-40kw	YES High energy cost
NIMOVA Formwork	60+ times in one building project based on work cycle	Can do (on-site surface repair) * No reshaping need	YES (can be re-used up to 150 times in civil projects)	9kw	YES Low energy cost Approx. 15kw

Green Certification



Can be used over 150 times.
After the NIMOVA formwork is scrapped, it will be recycled, leaving no solid waste.



THANK YOU

NIMOVA Intersales (Malaysia) Sdn. Bdn.
10/2025

